| Claim   |          | 1(11)1   | lr.                     | de        | X (     | of C                               | Cla,     | ims         | )        |              |      |        |                    | Application/Control No. |          |          |          |    |            |       |                 |        |            | Applicant(s)/Patent under Reexamination |          |   |                   |   |  |  |
|---|----------|----------|-------------------------|-----------|---------|------------------------------------|----------|-------------|----------|--------------|------|--------|--------------------|-------------------------|----------|----------|----------|----|------------|-------|-----------------|--------|------------|---|----------|---|-------------------|---|--|--|
| Rejected  |          |          |                         | Ш         |         |                                    |          |             |          |              |      |        |                    |                         |          |          |          |    |            |       |                 |        |            |   | AL.      | <del></del>                                       |                   |   |  |  |
| Rejected  |          |          |                         | Ш         |         |                                    |          |             |          |              |      |        |                    | Kamı                    | 1101     |          |          |    |            |       |                 | Απ     | Un         | IC                                      |          |   |                   |   |  |  |
| Rejected  |          | 111111   | (111)<br> -             | 11101     | 1801 0  |                                    | 118 111  |             |          |              |      |        | E                  | len                     | Kim      | 1        |          |    |            |       |                 | 287    | 4          |   |          |   |                   |   |  |  |
| Claim     Date     Claim     Date       a   |          |          | <b>4</b>                | Rej       | ject    | be                                 | •        |             | (1       | Cancelled    |      |        |                    | ral)                    | N        |          |          |    | ted        |       | Α               | Appeal |            |   |          |   |                   |   |  |  |
| The second color   The second |          |          | =                       | All       | ow      | ed                                 |          | +           |          |              |      |        |                    |                         | L        |          |          |    | 100        |       | 0               |        |            |   |          |   |                   |   |  |  |
| E     D     102     103     103     103     103     104     104     104     104     104     104     104     105     105     105     105     105     105     105     106     107     107     107     107     107     107     107     107     107     107     107     107     107     108     109   | Cla      | aim      |                         |           |         | Date                               | ,        |             |          | CI           | laim |        | _                  | Da                      | te       |          |          |    | CI         | aim   | Γ.              |        | _          | Date                                    | )        |   |                   | ] |  |  |
| E     D       | 1        | <u>a</u> | آٽ <u>ا</u>             | \$        |         |                                    |          |             |          |              | ਾਲ ਂ |        |                    |                         | -        |          |          |    | _          | न्त   |                 |        |            | П                                       |          | T   |                   |   |  |  |
| 1   v   51   101   102   102   103   103   103   103   104   104   105   105   105   105   105   105   105   105   106   107   107   107   107   107   107   107   108   109   109   109   109   110   110   110   111 <td>Fina</td> <td>nigin</td> <td>/26/0</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Fina</td> <td>nigi</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Fina</td> <td>rigin</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>  | Fina     | nigin    | /26/0                   | 13        |         |                                    |          |             |          | Fina         | nigi |        |                    |                         |          |          |          |    | Fina       | rigin |                 |        |            |   |          |   |                   |   |  |  |
| 102   103   103   104   105   105   105   106   107   108 |          | 0        | 6                       | V         |         |                                    |          |             |          | -            | 0    |        |                    |                         |          |          |          |    | _          | ō     |                 |        |            | Ш                                       | - 1      |   |                   |   |  |  |
| 3   1   103   104   104   104   105   106   105   106   105   106   106   107   107   107   107   108   109   100   100   100   110   110   110   111 </td <td></td> <td></td> <td><math>\overline{\mathbf{v}}</math></td> <td>V</td> <td></td> <td><math>\Box</math></td> <td></td>  |          |          | $\overline{\mathbf{v}}$ | V         |         |                                    |          |             |          |              |      |        |                    |                         |          | $\Box$   |          |    |            |       |                 |        |            |   |          |   |                   |   |  |  |
| 4   1   104     5   1   105     6   1   106     7   1   107     8   108   108     9   10   60   109     10   10   60   110     11   61   111   111     12   1   62   112     13   1   63   113   114     15   65   115   66     16   66   116   116     17   67   117   117     18   68   118   18     19   69   119   120     21   71   71   121     22   72   122   122     23   73   123   124     24   74   124   125   |          |          | Ш                       | 4         | 4       | $\bot \bot$                        |          |             | _        |              |      | $\bot$ |                    | <u> </u>                | <u> </u> | $\dashv$ | $\perp$  |    |            |       |                 |        | Ľ          |   | $\perp$  | $\perp$   |                   |   |  |  |
| 5   105     6   106     7   106     8   107     8   107     9   100     10   60     11   61     12   11     13   12     16   66     17   67     18   68     19   69     19   69     20   70     21   71     22   72     23   73     24   74     125   | <u> </u> |          | Ш                       | #         | -       | $\vdash$                           | _        |             |          | <u> </u>     |      |        | +                  | -                       |          | $\dashv$ | +        | -  | Ь—         |       | Н               | -      | ┺          | Н                                       | 4        | 4   | ₽                 |   |  |  |
| 6   106     7   107     8   107     9   100     10   100     11   100     11   110     11   110     11   110     11   110     11   110     11   110     11   110     11   111     12   112     13   112     13   113     14   114     15   63     16   65     17   66     17   67     18   68     19   69     20   70     21   71     22   73     23   74     24   74     25   75     100   100     110   111     111   112     113   114     114   114     115   115     116   | <u> </u> |          | Ш                       | ₩         | +-      | ╁╾╁                                |          |             |          | <u> </u>     | 54   | +      | $\vdash$           | -                       | 4        | $\dashv$ | +        | -  | <b> </b> - |       | $\vdash$        |        | 1          | Н                                       | +        | +   | ₽                 |   |  |  |
| 7   107     8   108     9   100     10   109     60   110     11   61     12   11     13   62     14   64     15   65     16   66     17   67     18   68     19   69     21   71     70   120     21   71     22   72     23   73     24   74     125  |          |          | +                       | ₩         | +-      | ╂╾┼                                | -        |             |          | ├            | 50   | +      | +                  |                         | +        | $\dashv$ | +        |    |            |       | 1-1             | +      | ⊢          |   | +        | +   | ₩                 |   |  |  |
| 8   108     9   10     10   10     11   11     12   1     13   10     14   63     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75   | $\vdash$ |          | H                       | ╁┼╴       | ╁       | +                                  | -+-      | -           | -        | <del> </del> |      |        | ╅                  |                         | ╁        | -        | +        | -  |            |       | $\vdash$        |        | ╁╌         | $\vdash$                                | -+       |   | ╁┤                |   |  |  |
| 9   10   10   10   10   110   110   110   110   110   111 <td>-</td> <td></td> <td>Н</td> <td>#</td> <td>╅╴</td> <td>11</td> <td>+</td> <td><math>\top</math></td> <td><math>\dashv</math></td> <td></td> <td></td> <td>+</td> <td><math>\Box</math></td> <td><del>-  </del>-</td> <td>+-</td> <td>一</td> <td>+</td> <td>۱</td> <td><b></b></td> <td></td> <td><math>\vdash</math></td> <td></td> <td>十</td> <td>Н</td> <td>十</td> <td>+</td> <td>+</td> <td>ĺ</td>   | -        |          | Н                       | #         | ╅╴      | 11                                 | +        | $\top$      | $\dashv$ |              |      | +      | $\Box$             | <del>-  </del> -        | +-       | 一        | +        | ۱  | <b></b>    |       | $\vdash$        |        | 十          | Н                                       | 十        | +   | +                 | ĺ |  |  |
| 10  |          | _        | 1                       | 11        | +       | 1 1                                | - -      | 1           | -        |              |      |        | H                  |                         | 1-       | _        | -        |    |            |       | $\Box$          | _      |            |   | 十        | +   | $\dagger \exists$ | ĺ |  |  |
| 12  |          | 10       |                         | $\coprod$ |         |                                    |          |             |          |              |      |        |                    |                         |          |          |          |    |            |       |                 | 1      |            | П                                       | T        | $\top$  | $\sqcap$          |   |  |  |
| 13   V       63       113       114       114       114       114       114       114       115       115       115       115       115           115           116           116   |          |          |                         | Ш         | $\perp$ |                                    |          |             |          |              |      |        |                    |                         |          |          | ·        |    |            |       |                 |        |            |   | $\Box$   | 工   | $\square$         |   |  |  |
| 14   64   114   115     15   65   115   115     16   66   116   117     18   68   118   118     19   69   119   120     20   70   120   121     21   71   121   121     22   73   123   123     24   74   124   125   |          |          | 11                      | 4         | ┸       | $\downarrow \downarrow$            | 4        | 44          | _        |              |      |        | $\perp \downarrow$ |                         | _        |          | $\perp$  | _  |            |       | $\sqcup$        |        |            | Ц                                       |          | 丄   |                   |   |  |  |
| 15   65   115     16   66   116     17   67   117     18   68   118     19   69   119     20   70   120     21   71   121     22   72   122     23   73   123     24   74   124     25   75   125   | <u> </u> |          | ×                       | 4         | +       | 1 1                                | +        | 4-4         | _        | <u> </u>     |      |        | ╁                  |                         | _        | _        | 4        | 4  |            |       | $\sqcup$        |        | lacksquare | Н                                       | 4        | ┷   | ┦                 |   |  |  |
| 16     16     16     116     117     117     117     117     117     117     118     118     118     118     118     119     119     119     120     120     120     120     121     121     121     122     123     123     124     124     124     125     125     125     125     125     125     125     125     125     126     12   | $\vdash$ |          | $\dashv$                | +         | +       | ++                                 | -        | -           |          |              | 64   |        | $\vdash$           | -                       | $\vdash$ | $\dashv$ |          | -  |            |       | $\vdash$        | _      | ⊢          | Н                                       | -        | -   | ₩                 |   |  |  |
| 17   67   117     18   68   118     19   69   119     20   70   120     21   71   121     22   72   122     23   73   123     24   74   124     25   75   125   | $\vdash$ |          | <del>-  </del>          | +         | +       | + +                                | +        | +           | -        | _            |      |        | ╂╌┤                | +                       | -        | $\dashv$ | +        | -  | —          |       | $\vdash$        | +      | $\vdash$   | $\vdash \vdash$                         | +        | +   | ╁┤                | 1 |  |  |
| 18 68   19 118   20 70   21 71   22 72   23 73   24 74   25 75  | -        |          | $\vdash$                | +         | +       | ╁┼                                 | +        | +           | $\dashv$ |              |      | -      | $\vdash \vdash$    | +                       | $\vdash$ | $\dashv$ | +        | -{ |            |       | $\vdash \vdash$ |        | -          | $\vdash$                                | $\dashv$ | +   | +                 |   |  |  |
| 19 69   20 119   21 70   21 71   22 72   23 73   24 74   25 75  |          |          | $\vdash \vdash$         | +         | +       | +-+                                | $\dashv$ | +           |          |              |      | +      | $\forall$          | $\dashv$                | $\vdash$ | -+       | $\dashv$ | -  |            |       |                 | +      | Н          | $\vdash$                                | +        | +-  | $\forall$         |   |  |  |
| 20 70 120   21 71 121   22 72 122   23 73 123   24 74 124   25 75 125   |          |          | $\Box$                  | $\top$    | $\top$  | $\sqcap$                           | $\top$   | 17          |          |              | 69   | 7      | $\Box$             | 1.                      | T        |          | $\top$   |    |            |       |                 | $\neg$ | П          | H                                       | $\dashv$ | $\top$  | Ħ                 |   |  |  |
| 21 71 121   22 72 122   23 73 123   24 74 124   25 75 125   |          | 20       | $\neg$                  | $\neg$    |         | $\sqcap$                           |          | $\neg \neg$ |          |              | 70   | 1      | $\Box$             | $\top$                  |          | 7        |          |    |            |       |                 |        | Т          | $\sqcap$                                | ┪        | $\top$  | $\Box$            |   |  |  |
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| 24 74 124   25 75 125   |          | _        |                         |           |         |                                    |          |             |          |              |      |        |                    |                         |          |          |          |    |            |       |                 |        |            | Ⅱ                                       | 1        | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                   | İ |  |  |
| 25 75 125 125 125   |          |          | Ц                       |           | $\perp$ | 1 [                                |          | $\perp$     | _        |              |      | Ţ.     | $\Box$             | $\perp$                 |          | $\Box$   | $\Box$   | ╝  |            |       |                 |        |            | П                                       | Ţ        | 工   | П                 | İ |  |  |
|   | <u> </u> | 24       |                         |           | _       | $\sqcup$                           | _        | $\bot$      | _        | <u> </u>     |      |        | Ш                  | $\perp$                 | Ш        |          |          | _  |            |       | Ц               |        |            | Ц                                       |          |   | $\sqcup$          | İ |  |  |
| 26 76 126 126   | <u> </u> |          | $\sqcup$                | $\perp$   | 4       | $\downarrow \downarrow \downarrow$ | 4        | 44          | _        | <u> </u>     |      | 4      | $\sqcup$           |                         | Ш        | _        |          | _  |            |       | Ш               | _      |            | Ш                                       | _        | $\bot$  | Ш                 | ĺ |  |  |
| 27 127 127  |          |          |                         |           |         |                                    |          |             |          |              | 77   |        |                    |                         |          |          |          |    |            | 127   |                 |        |            |   |          |   |                   |   |  |  |